

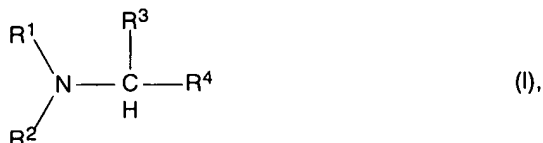
A P P E N D I X II:

CLAIM AMENDMENTS:

Cancel Claims 7 and 8, amend Claims 1 and 13, and enter new Claim 15 as indicated in the following listing of the claims:

1. (currently amended) A process for preparing an amine by reacting a primary or secondary alcohol, aldehyde or ketone with hydrogen and a nitrogen compound selected from the group consisting of ammonia and primary and secondary amines in the presence of a catalyst whose preparation has involved precipitation of catalytically active components onto monoclinic, tetragonal or cubic zirconium dioxide, wherein the catalytically active composition of the catalyst before treatment with hydrogen comprises
from 20 to 65% by weight of oxygen-containing compounds of zirconium, calculated as ZrO_2 ,
from 1 to 30% by weight of oxygen-containing compounds of copper, calculated as CuO ,
from 15 to 50% by weight of oxygen-containing compounds of nickel, calculated as NiO , and
from 15 to 50% by weight of oxygen-containing compounds of cobalt, calculated as CoO .
2. (previously presented) A process as claimed in claim 1, wherein the catalytically active components precipitated are salts of a metal selected from transition groups VIII and IB of the Periodic Table.
3. (previously presented) A process as claimed in claim 2, wherein the metal salts are basic salts which are sparingly soluble or insoluble in water.
4. (previously presented) A process as claimed in claim 2, wherein the salts are oxides, hydrated oxides, hydroxides, carbonates and/or hydrogencarbonates.
5. (previously presented) A process as claimed in claim 2, wherein the metal is selected from the group consisting of Fe, Co, Ni, Ru, Rh, Pd, Pt and Cu.
6. (previously presented) A process as claimed in claim 2, wherein the metal is selected from the group consisting of Cu, Ni and Co.

7. (canceled)
8. (canceled)
9. (previously presented) A process as claimed in claim 5, wherein the molar ratio of nickel to copper is greater than 1.
10. (previously presented) A process as claimed in claim 1, wherein the monoclinic, tetragonal or cubic zirconium dioxide contains one or more oxides of metals of transition groups IIIB or main group IIA of the Periodic Table.
11. (previously presented) A process as claimed in claim 1, wherein the reaction is carried out at from 80 to 300°C.
12. (previously presented) A process as claimed in claim 1, wherein the reaction is carried out in the liquid phase at pressures of from 5 to 30 MPa or in the gas phase at pressures of from 0.1 to 40 MPa.
13. (currently amended) A process as claimed in claim 1 for preparing an amine of the formula I



where

R¹, R² are each hydrogen (H), alkyl ~~such as C₁₋₂₀ alkyl~~, cycloalkyl ~~such as C₃₋₁₂ cycloalkyl~~, alkoxyalkyl ~~such as C₂₋₃₀ alkoxyalkyl~~, dialkylaminoalkyl ~~such as C₃₋₃₀ dialkylaminoalkyl~~, aryl, aralkyl ~~such as C₇₋₂₀ aralkyl~~ or alkylaryl ~~such as C₇₋₂₀ alkylaryl~~, or together form -(CH₂)_j-X-(CH₂)_k-,

R³, R⁴ are each hydrogen (H), alkyl ~~such as C₁₋₂₀₀ alkyl~~, cycloalkyl ~~such as C₃₋₁₂ cycloalkyl~~, hydroxyalkyl ~~such as C₁₋₂₀ hydroxyalkyl~~, aminoalkyl ~~such as C₁₋₂₀ aminoalkyl~~, hydroxyalkylaminoalkyl ~~such as C₂₋₂₀ hydroxyalkylaminoalkyl~~, alkoxyalkyl ~~such as C₂₋₃₀ alkoxyalkyl~~, dialkylaminoalkyl ~~such as C₃₋₃₀ dialkylaminoalkyl~~, alkylaminoalkyl ~~such as C₂₋₃₀ alkylaminoalkyl~~, R⁵-(OCR⁶R⁷CR⁸R⁹)_n-(OCR⁶R⁷), aryl, heteroaryl, aralkyl ~~such as C₇₋₂₀ aralkyl~~, heteroarylalkyl ~~such as C₄₋₂₀ heteroarylalkyl~~, alkylaryl ~~such as C₇₋₂₀ alkylaryl~~, alkylheteroaryl ~~such as C₄₋₂₀ alkylheteroaryl~~ or Y-(CH₂)_m-NR⁵-(CH₂)_q, or together form -(CH₂)₁-X-(CH₂)_m-, or

R² and R⁴ together form -(CH₂)₁-X-(CH₂)_m-,

R^5 , R^{10} are each hydrogen (H), alkyl ~~such as C_{1-4} -alkyl~~ or alkylphenyl ~~such as C_{7-40} -alkylphenyl~~,

R^6 , R^7 , R^8 , R^9 are each hydrogen (H), methyl or ethyl,

X is CH_2 , CHR^5 , oxygen (O), sulfur (S) or NR^5 ,

Y is $N(R^{10})_2$, hydroxy, C_{2-20} -alkylaminoalkyl or C_{3-20} -dialkylaminoalkyl,

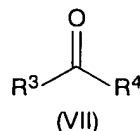
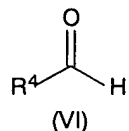
n is an integer from 1 to 30 and

j, k, l, m, q are each an integer from 1 to 4,

by reacting a primary or secondary alcohol of the formula II



or aldehyde or ketone of the formula VI or VII



with a nitrogen compound of the formula III



14. (canceled)

15. (new) The process as claimed in claim 13, wherein

R^1 , R^2 are each hydrogen (H), C_{1-20} -alkyl, C_{3-12} -cycloalkyl, C_{2-30} -alkoxyalkyl, C_{3-30} -dialkylaminoalkyl, aryl, C_{7-20} -aralkyl or C_{7-20} -alkylaryl, or together form $-(CH_2)_j-X-(CH_2)_k-$,

R^3 , R^4 are each hydrogen (H), C_{1-200} -alkyl, C_{3-12} -cycloalkyl, C_{1-20} -hydroxyalkyl, C_{1-20} -aminoalkyl, C_{2-20} -hydroxyalkylaminoalkyl, C_{2-30} -alkoxyalkyl, C_{3-30} -dialkylaminoalkyl, C_{2-30} -alkylaminoalkyl, $R^5-(OCR^6R^7CR^8R^9)_n-(OCR^6R^7)$, aryl, heteroaryl, C_{7-20} -aralkyl, C_{4-20} -heteroarylalkyl, C_{7-20} -alkylaryl, C_{4-20} -alkylheteroaryl or $Y-(CH_2)_m-NR^5-(CH_2)_q$, or together form $-(CH_2)_l-X-(CH_2)_m-$, or

R^2 and R^4 together form $-(CH_2)_l-X-(CH_2)_m-$, and

R^5 , R^{10} are each hydrogen (H), C_{1-4} -alkyl or C_{7-40} -alkylphenyl.